

Application No. 10/679,977

Reply to Office Action mailed 18 March 2005

LISTING OF THE CLAIMS

Please amend the claims as follows:

1. (cancelled)
2. (currently amended) **[[A]]** The flat panel display of ~~according to~~ claim 16 **[[1]]**, further comprising:
an insulating dielectric layer interposed between the inside surfaces of said front and glass plates.
3. (cancelled)
4. (currently amended) **[[A]]** The flat panel display of ~~according to~~ claim 16 **[[3]]**, wherein said metal heater layer is patterned onto said TFT array layer.
5. (currently amended) **[[A]]** The flat panel display of ~~according to~~ claim 16 **[[3]]**, wherein said metal heater layer is behind said black mask EMI layer.
6. (currently amended) **[[A]]** The flat panel display of ~~according to~~ claim 5, wherein said metal heater layer is optically hidden from view behind said black mask EMI layer.
7. (currently amended) **[[A]]** The flat panel display of ~~according to~~ claim 16 **[[3]]**, wherein said metal heater layer comprises ~~is comprise of~~ a grid of intersecting horizontal and vertical lines.
8. (currently amended) **[[A]]** The flat panel display of ~~according to~~ claim 16 **[[3]]**, further comprising **[[of]]** an insulating dielectric over-coated onto said metal heater layer.

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9. **(currently amended)** ~~[[A]]~~ The flat panel display of ~~according to~~ claim 16 ~~[[1]]~~, further comprising at least one thermal sensor ~~thermal sensors~~ integral to said TFT array layer.

10. **(currently amended)** ~~[[A]]~~ The flat panel display of ~~according to~~ claim 9, wherein each said thermal sensor comprises ~~sensors are comprised of~~ an array of diodes.

11. **(cancelled)**

12. **(currently amended)** A flat panel display comprising:
a front glass plate;
a rear glass plate;
a layer of liquid crystals interposed between said front and rear glass plates;
a TFT array layer interposed between said front and rear glass plates; and
a metal heater layer integral to said TFT array layer.

13. **(original)** A flat panel display according to claim 12, wherein said metal heater layer is patterned onto said TFT array layer.

14. **(original)** A flat panel display according to claim 12, wherein said metal heater layer is comprised of a grid of intersecting horizontal and vertical lines.

15. **(cancelled)**

16. **(original)** A flat panel display according to claim 12, further comprising:

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a black mask EMI layer interposed between said front and rear glass plates and wherein said black mask EMI layer is electrically tied to zero potential and isolated from Vcom.

17. (original) A flat panel display according to claim 16, wherein said metal heater layer is hidden from view behind said black mask EMI layer.

18. (currently amended) The [[A]] flat panel display of claim 12, further comprising:

~~a front glass plate;~~

~~a rear glass plate;~~

~~a layer of liquid crystals interposed between said front and glass plates;~~

~~a TFT array layer interposed between said front and rear glass plates;~~

at least one thermal sensor integral to said TFT array layer.

19. (currently amended) [[A]] The flat panel display of ~~according to~~ claim 18, wherein said at least one thermal sensor is applied onto said TFT array layer.

20. (currently amended) [[A]] The flat panel display of ~~according to~~ claim 18, wherein each said at least one thermal sensor comprises ~~is comprised of~~ an array of diodes.

21. (cancelled)